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DIALOG(R) File 351:Derwent WPI
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WPI Acc No: 1980-31708C/198018

Coloured polyester film for radiographic film base - contains
1,4-bis(3-cyclohexylsulphamoyl-2,4,6-trimethylphenylamino) anthraquinone
and 1,4-bis arylamino-5,8-dihydroxy anthraquinone

Patent Assignee: DIAFOIL CO LTD (DAFO)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 55038825	A	19800318				198018 B
JP 87061065	B	19871219				198803

Priority Applications (No Type Date): JP 78111520 A 19780911

Abstract (Basic): JP 55038825 A

Coloured polyester films contain (1)
1,4-bis(3-cyclohexylsulphamoyl-2,4,6-trimethylphenylamino) anthraquinone and (2) 1,4-bis arylamino-5,8-dihydroxyanthraquinone of formula (I) in wt. ratio of 99:1-70:30. (where phenyl gps. A and B contain ≥ 1 substit. selected from lower alkyl and lower alkoxy gps.)

The colouring agents have excellent heat resistance, sublimation resistance and solubility in polyesters. The polyester films obtd. have excellent colour tone and transparency, and are used as the base film for radiography. Component (1) may contain pref. 20% of isomers.

Derwent Class: A23; A60; A89; E22; G06; K08; P83

International Patent Class (Additional): C08K-005/18; C08L-067/00;
G03C-001/78

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Bibliographic Information

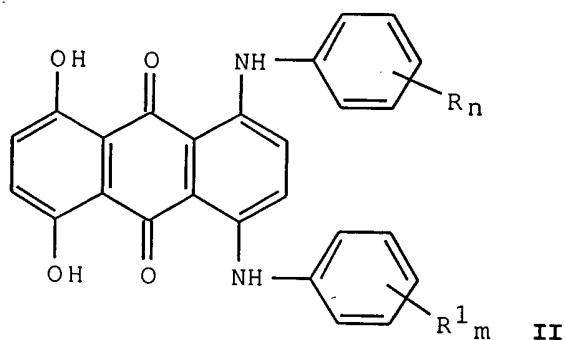
Colored polyester film supports for x-ray photographic films. Watanabe, Masaji; Kagiyama, Takashi; Uchiumi, Shigeo. (Dia Foil K. K., Japan). Jpn. Kokai Tokkyo Koho (1980), 10 pp. CODEN: JKXXAF JP 55038825 19800318 Showa. Patent written in Japanese. Application: JP 78-111520 19780911. CAN 93:195465 AN 1980:595465 CAPLUS (Copyright 2001 ACS)

Patent Family Information

<u>Patent No.</u>	<u>Kind</u>	<u>Date</u>	<u>Application No.</u>	<u>Date</u>
JP 55038825	A2	19800318	JP 1978-111520	19780911
JP 62061065	B4	19871219		

Abstract

X-ray photog. polyester film supports are dyed by using 1,4-bis(3-cyclohexylsulfamoyl-2,4,6-trimethylphenylamino)anthraquinone (I) and II (R, R₁ = lower alkyl, lower alkoxy; n ≥ 1; m ≥ 1). Thus, 100 parts of poly(ethylene terephthalate) prep'd. from di-Me terephthalate and ethylene glycol was mixed with I 0.04 and 1,4-bis(p-toluidino)-5,8-dihydroxyanthraquinone 0.005 parts, and the mixt. was formed into a film which was useful as a support for x-ray photog. film.

**Patent Classifications**

IPC: C08L067-00; C08K005-18; G03C001-78; C08K005-41.

Indexing -- Section 74-2 (Radiation Chemistry, Photochemistry, and Photographic Processes)

Radiography

(photog. films for, colored polyester film supports for)

Photographic films

(supports, dyed polyester film as, for radiog. uses)

23552-74-1

23941-48-2

28198-05-2

Role: USES (Uses)

(x-ray photog. film support dyed with compns. contg.)

25038-59-9, uses and miscellaneous

Role: USES (Uses)

(x-ray photog. film support, dyes for)

Supplementary Terms

x ray photog film support; anthraquinone deriv dye polyester film